

Wojciech Majstrzyk

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

150
citations

1307594

7
h-index

1199594

12
g-index

25
all docs

25
docs citations

25
times ranked

162
citing authors

#	ARTICLE	IF	CITATIONS
1	Pattern-generation and pattern-transfer for single-digit nano devices. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2016, 34, .	1.2	34
2	Optimal Design of Electromagnetically Actuated MEMS Cantilevers. Sensors, 2018, 18, 2533.	3.8	15
3	Thermomechanically and electromagnetically actuated piezoresistive cantilevers for fast-scanning probe microscopy investigations. Sensors and Actuators A: Physical, 2018, 276, 237-245.	4.1	11
4	Magnetolectric versus thermal actuation characteristics of shear force AFM probes with piezoresistive detection. Measurement Science and Technology, 2017, 28, 034011.	2.6	9
5	Electromagnetic cantilever reference for the calibration of optical nanodisplacement systems. Sensors and Actuators A: Physical, 2018, 282, 149-156.	4.1	9
6	Closed-loop surface stress compensation with an electromagnetically actuated microcantilever. Sensors and Actuators B: Chemical, 2015, 213, 566-573.	7.8	8
7	Hierarchical approach for the rational construction of helix-containing nanofibrils using α , β -peptides. Nanoscale, 2021, 13, 4000-4015.	5.6	8
8	Design, technology, and application of integrated piezoresistive scanning thermal microscopy (SThM) microcantilever. Proceedings of SPIE, 2014, . .	0.8	7
9	Technology of thermally driven and magnetomotively detected MEMS microbridges. Sensors and Actuators A: Physical, 2016, 240, 17-22.	4.1	7
10	New design of the cantilevers for radiation pressure investigations. Microelectronic Engineering, 2018, 201, 10-15.	2.4	7
11	Adhesion as a component of retention force of overdenture prostheses-study on selected Au based dental materials used for telescopic crowns using atomic force microscopy and contact angle techniques. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 121, 104648.	3.1	7
12	Micromachined active test structure for scanning thermal microscopy probes characterization. Microelectronic Engineering, 2017, 174, 70-73.	2.4	6
13	Near-zero contact force atomic force microscopy investigations using active electromagnetic cantilevers. Nanotechnology, 2020, 31, 425706.	2.6	6
14	Soft piezoresistive cantilevers for adhesion force measurements. Sensors and Actuators A: Physical, 2020, 301, 111747.	4.1	5
15	Electromagnetically Actuated Microcantilever for Chemical and Biochemical Sensing in Static Mode. Procedia Engineering, 2014, 87, 955-958.	1.2	2
16	Metrology of electromagnetic static actuation of MEMS microbridge using atomic force microscopy. Micron, 2016, 84, 1-6.	2.2	2
17	Force Spectroscopy with Quantitative On-Cantilever Force Control. Proceedings (mdpi), 2018, 2, 915.	0.2	2
18	MEMS displacement generator for atomic force microscopy metrology. Measurement Science and Technology, 2021, 32, 065903.	2.6	2

#	ARTICLE	IF	CITATIONS
19	New approach for a multi-cantilever arrays sensor system with advanced MOEMS readout. , 2016, , .		1
20	Innovative multi-cantilever array sensor system with MOEMS read-out. Proceedings of SPIE, 2016, , .	0.8	1
21	Mechanical Impedance Analysis of a Novel MEMS Photon Force Sensor. Proceedings (mdpi), 2018, 2, 921.	0.2	1
22	Quality factor and resonant frequency measurement by ARMA process identification of randomly excited MEMS/NEMS cantilever. , 2014, , .		0
23	Real-time stochastic response analysis as a tool for monitoring cantilever mechanical properties. Mechatronics, 2017, 44, 121-128.	3.3	0
24	Analysis of the electrolytically polished skeletal dentures surfaces using various nano- and microscopic technologies. Acta of Bioengineering and Biomechanics, 2019, 21, 123-129.	0.4	0